

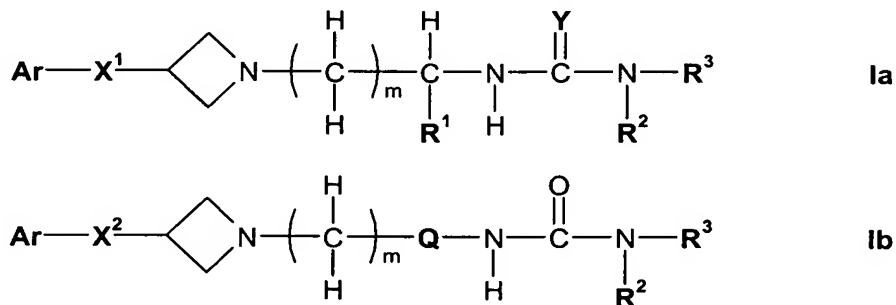
Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the specification:

Listing of Claims

Claims 1 -10 (Cancelled)

Claim 11 (new): A compound of formula Ia or Ib



in free or salt form, where

Ar is phenyl optionally substituted by one or more substituents selected from halogen,

C₁-C₈-alkyl, cyano or nitro;

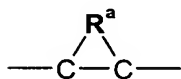
X¹ is -S-, -S(=O)- or -S(=O)₂-;

X² is -C(=O)-, -O-, -CH₂-, -S-, -S(=O)- or -S(=O)₂-;

m is 1, 2, 3 or 4;

R¹ is hydrogen or C₁-C₈-alkyl optionally substituted by hydroxy, C₁-C₈-alkoxy, acyloxy, halogen, carboxy, C₁-C₈-alkoxycarbonyl, -N(R⁴)R⁵, -CON(R⁶)R⁷ or by a monovalent cyclic organic group having 3 to 15 atoms in the ring system;

Q has the formula



where R^a is C₁-C₈-alkylene,

or Q is -C(R^b)(R^c)- where R^b and R^c are independently C₁-C₈-alkyl

or R^b and R^c together form a C₃-C₁₀-cycloalkyl;

Y is oxygen or sulfur;

R² is hydrogen, C₁-C₈-alkyl or C₃-C₁₀-cycloalkyl and R³ is C₁-C₈-alkyl substituted by phenyl, phenoxy, acyloxy or naphthyl, or R³ is C₃-C₁₀-cycloalkyl optionally having a benzo group fused thereto, a heterocyclic group having 5 to 11 ring atoms of which 1 to 4 are hetero atoms, phenyl or naphthyl, said phenyl, phenoxy or naphthyl groups being optionally substituted by one or more substituents selected from halogen, cyano, hydroxy, acyl, nitro, -SO₂NH₂, C₁-C₈-alkyl

optionally substituted by C₁-C₈-alkoxy, C₁-C₈-haloalkyl, C₁-C₈-alkoxy, C₁-C₈-haloalkoxy, C₁-C₈-alkylthio, -SO₂-C₁-C₈-alkyl, C₁-C₈-alkoxycarbonyl, C₁-C₈-acylamino optionally substituted on the nitrogen atom by C₁-C₈-alkyl, C₁-C₈-alkylamino, aminocarbonyl, C₁-C₈-alkylamino-carbonyl, di(C₁-C₈-alkyl)amino, di(C₁-C₈-alkyl)aminocarbonyl, di(C₁-C₈-alkyl)aminocarbonyl-methoxy, or R² and R³ together with the nitrogen atom to which they are attached denote a heterocyclic group having 5 to 10 ring atoms of which 1, 2 or 3 are hetero atoms;

R⁴ and R⁵ are each independently hydrogen or C₁-C₈-alkyl, or R⁴ is hydrogen and R⁵ is hydroxy-C₁-C₈-alkyl, acyl, -SO₂R⁸ or -CON(R⁶)R⁷, or R⁴ and R⁵ together with the nitrogen atom to which they are attached denote a 5- or 6-membered heterocyclic group;

R⁶ and R⁷ are each independently hydrogen or C₁-C₈-alkyl, or R⁶ and R⁷ together with the nitrogen atom to which they are attached denote a 5- or 6-membered heterocyclic group; and R⁸ is C₁-C₈-alkyl, C₁-C₈-haloalkyl, or phenyl optionally substituted by C₁-C₈-alkyl.

Claim 12 (new): A compound according to claim 11, which is

(i) a compound of formula Ia in free or salt form, wherein

Ar is phenyl substituted by halo;

X¹ is -S-, -S(=O)- or -S(=O)₂-;

m is 2;

R¹ is C₁-C₈-alkyl optionally substituted by hydroxy or C₁-C₈-alkoxy;

Y is oxygen;

R² is hydrogen; and

R³ is a heterocyclic group having 5 to 11 ring atoms of which 1 to 4 are hetero atoms; or

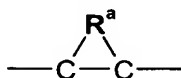
(ii) a compound of formula Ib in free or salt form, wherein

Ar is phenyl substituted by halo;

X² is -O-, -C(=O)- or -CH₂-;

m is 1 or 2;

Q has the formula



where R^a is C₁-C₈-alkylene,

or Q is -C(R^b)(R^c)- where R^b and R^c are independently C₁-C₈-alkyl

or R^b and R^c together form a C₃-C₁₀-cycloalkyl;

R² is hydrogen; and

R³ is a heterocyclic group having 5 to 11 ring atoms of which 1 to 4 are hetero atoms.

Claim 13 (new): A compound according to claim 11, which is

(i) a compound of formula Ia in free or salt form, wherein

Ar is phenyl substituted by halo, preferably chloro;

X¹ is -S-, -S(=O)- or -S(=O)₂-;

m is 2;

R¹ is C₁-C₄-alkyl optionally substituted by hydroxy or C₁-C₄-alkoxy;

Y is oxygen;

R² is hydrogen; and

R³ is a heterocyclic group having 5, 6 or 7 ring atoms of which one, two, three or four, are hetero atoms selected from nitrogen, oxygen and sulphur, said heterocyclic group being optionally substituted by C₁-C₄-alkyl, C₁-C₄-alkoxy or C₃-C₆-cycloalkyl; or

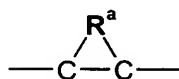
(ii) a compound of formula Ib in free or salt form, wherein

Ar is phenyl substituted by halo, preferably chloro;

X² is -O-, -C(=O)- or -CH₂-;

m is 1 or 2;

Q has the formula



where R^a is C₁-C₈-alkylene,

or Q is -C(R^b)(R^c)- where R^b and R^c are independently C₁-C₄-alkyl

or R^b and R^c together form a C₃-C₆-cycloalkyl;

R² is hydrogen; and

R³ is a heterocyclic group having 5, 6 or 7 ring atoms of which one, two, three or four, are hetero atoms selected from nitrogen, oxygen and sulphur, said heterocyclic group being optionally substituted by C₁-C₄-alkyl or C₃-C₆-cycloalkyl.

Claim 14 (new): A compound according to claim 11 that is selected from the group consisting of:

1-((S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(3,5-dimethoxy-phenyl)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-ethyl-[1,3,4]thiadiazol-2)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-ethyl-isoxazol-3-yl)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfinyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(3-ethyl-isoxazol-5-yl)-urea;

1-((S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-ethyl-[1,3,4]thiadiazol-2-yl)-urea;

1-((S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(3,5-dimethoxy-phenyl)-urea;

1-((S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-ethyl-isoxazol-3-yl)-urea;

1-((S)-3-[3-(4-Chloro-phenylsulfanyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(3-ethyl-isoxazol-5-yl)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-ethyl-[1,3,4]thiadiazol-2-yl)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(3,5-dimethoxy-phenyl)-urea;

1-((S)-3-[3-(4-Chloro-benzenesulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(5-ethyl-isoxazol-3-yl)-urea;

1-((S)-3-[3-(4-Chloro-benzene-sulfonyl)-azetidin-1-yl]-1-hydroxymethyl-propyl)-3-(3-ethyl-isoxazol-5-yl)-urea;

(+/-)-1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-ethyl-[1,3,4]thiadiazol-2-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-cyclobutyl-2-methyl-2H-pyrazol-3-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(2-ethyl-2H-tetrazol-5-yl)-urea;

1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(5-ethyl-isoxazol-3-yl)-urea;
 1-((1R,2R)-2-[3-(4-Chloro-phenoxy)-azetidin-1-yl-methyl]-cyclohexyl)-3-(3-ethyl-isoxazol-5-yl)-urea;
 1-(1-{2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl}-cyclobutyl)-3-(5-ethyl-[1,3,4]thiadiazol-2-yl)-urea;
 1-(1-{2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl}-cyclobutyl)-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;
 1-(1-{2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl}-cyclobutyl)-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;
 1-(1-{2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl}-cyclobutyl)-3-(5-cyclobutyl-2-methyl-2H-pyrazol-3-yl)-urea;
 1-(1-{2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl}-cyclobutyl)-3-(2-ethyl-2H-tetrazol-5-yl)-urea;
 1-(1-{2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl}-cyclobutyl)-3-(5-ethyl-isoxazol-3-yl)-urea;
 1-(1-{2-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-ethyl}-cyclobutyl)-3-(3-ethyl-isoxazol-5-yl)-urea;
 1-{3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl}-3-(5-ethyl-[1,3,4]thiadiazol-2-yl)-urea;
 1-{3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl}-3-(5-ethyl-2-methyl-2H-pyrazol-3-yl)-urea;
 1-{3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl}-3-(5-cyclopropyl-2-methyl-2H-pyrazol-3-yl)-urea;
 1-{3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl}-3-(5-cyclobutyl-2-methyl-2H-pyrazol-3-yl)-urea;
 1-{3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl}-3-(2-ethyl-2H-tetrazol-5-yl)-urea;
 1-{3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl}-3-(5-ethyl-isoxazol-3-yl)-urea; and
 1-{3-[3-(4-Chloro-phenoxy)-azetidin-1-yl]-1,1-dimethyl-propyl}-3-(3-ethyl-isoxazol-5-yl)-urea.

Claim 15 (new): A compound according to claim 11 in combination with another drug substance which is an anti-inflammatory, a bronchodilator, an antihistamine or an anti-tussive substance.

Claim 16 (new): A pharmaceutical composition comprising as active ingredient a compound according to claim 11.

Claim 17 (new): (New) A pharmaceutical composition comprising as active ingredient a compound according to claim 14.

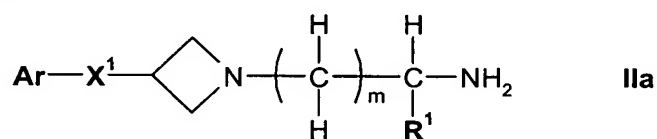
Claim 18 (new): A method of treating a condition mediated by CCR-3 in a subject in need of such treatment, which comprises administering to said subject an effective amount of a

compound of formula I as defined in claim 11 in free form or in the form of a pharmaceutically acceptable salt.

Claim 19 (new): A method of treating an inflammatory or obstructive airways disease in a subject in need of such treatment, which comprises administering to said subject an effective amount of a compound of formula I as defined in claim 11 in free form or in the form of a pharmaceutically acceptable salt.

Claim 20 (new): A process for the preparation of a compound of formula Ia or Ib as claimed in claim 11 which comprises

- (i) (A) for the preparation of compounds of formula Ia where R² is hydrogen, reacting a compound of formula IIa

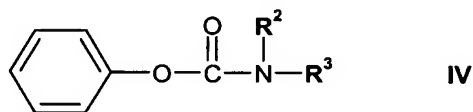


or a protected form thereof, where Ar, X¹, m and R¹ are as defined in claim 11, with a compound of formula III



where Y and R³ are as defined in claim 11; or

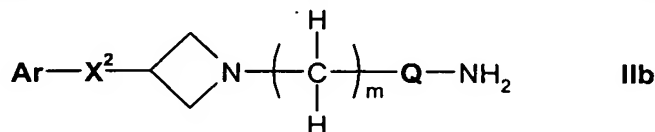
- (B) for the preparation of compounds of formula Ia where Y is oxygen, reacting a compound of formula IIa where Ar, X¹, m and R¹ are as defined in claim 11, with a compound of formula IV



where R² and R³ are as defined in claim 11; or

- (C) for the preparation of compounds of formula Ia where X¹ is -S(=O)₂-, oxidising a compound of formula Ia in protected form where X¹ is -S- and Ar, m, R¹, Y, R² and R³ are as defined in claim 11;

- (D) for the preparation of compounds of formula Ib, reacting a compound of formula IIb



where Ar, X², m and Q are as defined in claim 11, with a compound of formula IV where R² and R³ are as defined in claim 11;

(E) for the preparation of compounds of formula Ib where R² is hydrogen, reacting a compound of formula IIb where Ar, X², m and Q are as defined in claim 11, with a compound of formula V



where R³ is as defined in claim 11; or

(F) for the preparation of compounds of formula Ib where X is -S(=O)₂-, oxidising a compound of formula Ib in protected form where X² is -S- and Ar, m, Q, R² and R³ are as defined in claim 11; and

- (ii) recovering the product in free or salt form.